

**Supplementary Table S1.** Primer pairs used for HBV full-length genome amplification

<b>Primer Name</b>	<b>Sequence(5'-3')</b>	<b>Strand</b>	<b>Position in HBV genome</b>	<b>Sample Barcode</b>
C01	5'-CGCGCGTGTGTGCGTGTTCCTCA CCTCTGCCTAATCA-3'	Forward	nt1821-nt1841	CGCGCGTG TGTGCGTG
	5'-CACGCACACACGCGCGAAAAAGT TGCATGGTGCTGG-3'	Reverse	nt1825-nt1806	
C02	5'-CACACGCGCGTGTGCTCGTTTTTCA CCTCTGCCTAATCA-3'	Forward	nt1821-nt1841	CACACGCG CGTGCTCG
	5'-CGAGCACGCGCGTGTGAAAAAGT TGCATGGTGCTGG-3'	Reverse	nt1825-nt1806	
C03	5'-ATCTGTGCGAGACTACTTTTTTCAC CTCTGCCTAATCA-3'	Forward	nt1821-nt1841	ATCTGTGC GAGACTAC
	5'-GTAGTCTCGCACAGATAAAAAAGTT GCATGGTGCTGG-3'	Reverse	nt1825-nt1806	
S01	5'-ACGCGCACAGAGTCTCTTTTTTCAC CTCTGCCTAATCA-3'	Forward	nt1821-nt1841	ACGCGCAC AGAGTCTC
	5'-GAGACTCTGTGCGCGTAAAAAGT TGCATGGTGCTGG-3'	Reverse	nt1825-nt1806	
S02	5'-TCTCTCACAGTCGAGCTTTTTTCAC CTCTGCCTAATCA-3'	Forward	nt1821-nt1841	TCTCTACA GTCGAGC
	5'-GCTCGACTGTGAGAGAAAAAGT TGCATGGTGCTGG-3'	Reverse	nt1825-nt1806	
S03	5'-GTCATCACACATCTCTTTTTTCAC CTCTGCCTAATCA-3'	Forward	nt1821-nt1841	GTCATCAC ACATCTCT
	5'-AGAGATGTGTGATGACAAAAAGTT GCATGGTGCTGG-3'	Reverse	nt1825-nt1806	
S04	5'-CTGATATGTAGTCGTATTTTTTCAC CTCTGCCTAATCA-3'	Forward	nt1821-nt1841	CTGATATGT AGTCGTA
	5'-TACGACTACATATCAGAAAAAGTT GCATGGTGCTGG-3'	Reverse	nt1825-nt1806	
S05	5'-AGACTCTACAGAGATATTTTTTCAC CTCTGCCTAATCA-3'	Forward	nt1821-nt1841	AGACTCTA CAGAGATA
	5'-TATCTCTGTAGAGTCTAAAAAGTT GCATGGTGCTGG-3'	Reverse	nt1825-nt1806	
S06	5'-GCGCATGTCTCTCTTTTTTCAC CTCTGCCTAATCA-3'	Forward	nt1821-nt1841	GCGCATGT CTCTCTCT
	5'-AGAGAGAGACATGCGCAAAAAAGT TGCATGGTGCTGG-3'	Reverse	nt1825-nt1806	
S07	5'-TCTACAGAGCGAGAGTTTTTTTCAC CTCTGCCTAATCA-3'	Forward	nt1821-nt1841	TCTACAGA GCGAGAGT
	5'-ACTCTCGCTCTGTAGAAAAAGTT	Reverse	nt1825-nt1806	

	GCATGGTGCTGG-3'			
S08	5'-ACTACTGAGACATAGATTTTTCAC CTCTGCCTAATCA-3'	Forward	nt1821-nt1841	ACTACTGA
	5'-TCTATGTCTCAGTAGTAAAAAGTT GCATGGTGCTGG-3'	Reverse	nt1825-nt1806	GACATAGA
S09	5'-CGCATGAGATATACGCTTTTTCAC CTCTGCCTAATCA-3'	Forward	nt1821-nt1841	CGCATGAG
	5'-GCGTATATCTCATGCGAAAAAGTT GCATGGTGCTGG-3'	Reverse	nt1825-nt1806	ATATACGC
S10	5'-GTAGCGACATACGCACTTTTTCAC CTCTGCCTAATCA-3'	Forward	nt1821-nt1841	GTAGCGAC
	5'-GTGCGTATGTCGCTACAAAAAGTT GCATGGTGCTGG-3'	Reverse	nt1825-nt1806	ATACGCAC

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